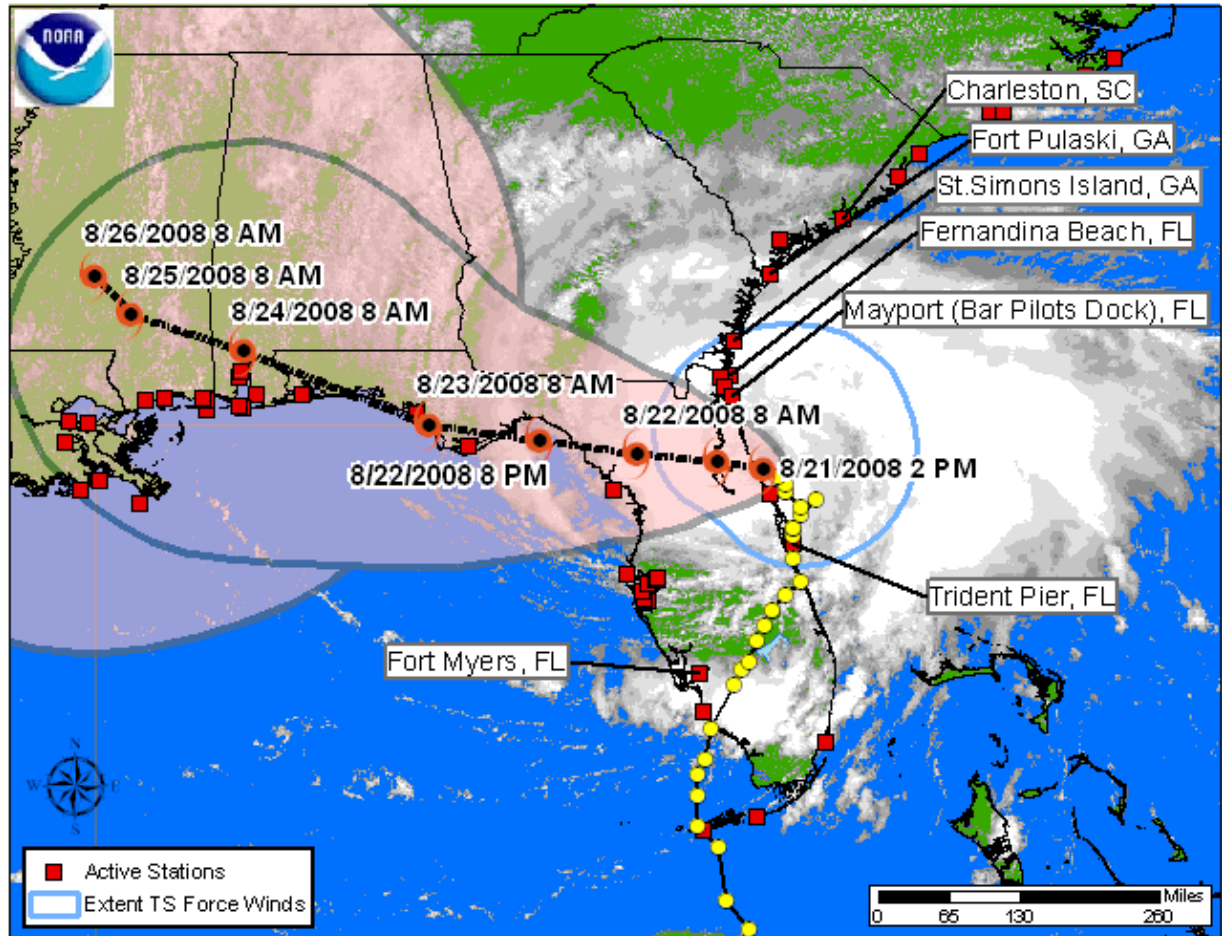




Tropical Storm FAY QuickLook
Posted: 15:00 EDT 08/21/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

Tropical Storm FAY beginning to make landfall on Florida's East Coast near Flagler Beach.

As of 08/21/2008 15:00 EDT, water levels from northeastern Florida to South Carolina are elevated about 1.25 to 2.40 feet above predicted. Water levels at Fort Myers, FL remain elevated by about 1 foot, however water levels have returned to normal at many locations on the west coast of Florida. Water levels have returned to normal at Trident Pier, FL. Barometric pressure is falling at Fernandina Beach, FL. Winds are increasing at Fort Pulaski, GA with some gusts over 35 knots recorded. Wind speeds continue to decrease at Trident Pier, FL but gusts over 30 mph are still being observed.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Mayport Bar Pilots, FL: Next predicted high tide is 4.69 ft (1.43 m) at 08/22/2008 00:45 EDT.

Fernandina Beach, FL: Next predicted high tide is 6.11 ft (1.86 m) at 08/22/2008 01:03 EDT.

St. Simons Island, GA: Next predicted high tide is 8.08 ft (2.46 m) at 08/22/2008 00:18 EDT.

Fort Pulaski, GA: Next predicted high tide is 6.93 ft (2.11 m) at 08/22/2008 00:15 EDT.

Charleston, SC: Next predicted high tide is 5.32 ft (1.62 m) at 08/22/2008 00:00 EDT.

Trident Pier, FL: Next predicted high tide is 3.56 ft (1.09 m) at 08/21/2008 23:51 EDT.

Fort Myers, FL: Next predicted high tide is 1.12 ft (0.34 m) at 08/21/2008 20:06 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: CM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM FAY INTERMEDIATE ADVISORY NUMBER 24A

200 PM EDT THU AUG 21 2008

...CENTER OF TROPICAL STORM FAY BEGINNING TO CROSS THE FLORIDA EAST COAST NEAR FLAGLER BEACH...

A TROPICAL STORM WARNING REMAINS IN EFFECT FROM FORT PIERCE FLORIDA NORTHWARD TO THE SAVANNAH RIVER AT THE BORDER BETWEEN GEORGIA AND SOUTH CAROLINA.

AT 200 PM EDT THE CENTER OF TROPICAL STORM FAY WAS LOCATED NEAR LATITUDE 29.4 NORTH, LONGITUDE 81.0 WEST OR VERY NEAR FLAGLER BEACH FLORIDA.

FAY HAS BEGUN TO MOVE TOWARD THE WEST-NORTHWEST AT 2 MPH. THIS GENERAL SLOW MOTION SHOULD CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THIS TRACK FAY IS FORECAST TO MOVE SLOWLY ACROSS THE NORTHERN FLORIDA PENINSULA TODAY AND BE VERY NEAR THE GULF COAST OF THE FLORIDA PANHANDLE BY LATE FRIDAY OR EARLY SATURDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 60 MPH WITH HIGHER GUSTS. NO SIGNIFICANT CHANGE IN STRENGTH AS THE CENTER MOVES INLAND LATER TODAY. A GRADUAL WEAKENING SHOULD BEGIN AFTER FAY MOVES INLAND OVER THE FLORIDA PENINSULA.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 150 MILES MAINLY TO THE EAST OF THE CENTER. ST. AUGUSTINE FLORIDA JUST REPORTED A WIND GUST OF 56 MPH.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 993 MB.

FAY IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 5 TO 10 INCHES ACROSS THE CENTRAL TO NORTHERN PORTION OF THE FLORIDA PENINSULA INCLUDING THE FLORIDA PANHANDLE, SOUTHERN GEORGIA AND SOUTHEASTERN ALABAMA, WITH ISOLATED MAXIMUM AMOUNTS OF 15 INCHES POSSIBLE. RAINFALL TOTALS OF 2 TO 4 INCHES ARE POSSIBLE ACROSS THE COASTAL AREAS OF SOUTHERN SOUTH CAROLINA. ADDITIONAL RAINFALL AMOUNTS OF 1 TO 2 INCHES ARE POSSIBLE OVER SOUTHWEST AND SOUTHERN FLORIDA. ISOLATED STORM TOTAL ACCUMULATIONS OF 20 TO 30 INCHES HAVE BEEN OBSERVED WITH THIS SYSTEM OVER THE EAST CENTRAL COASTAL AREAS OF FLORIDA.

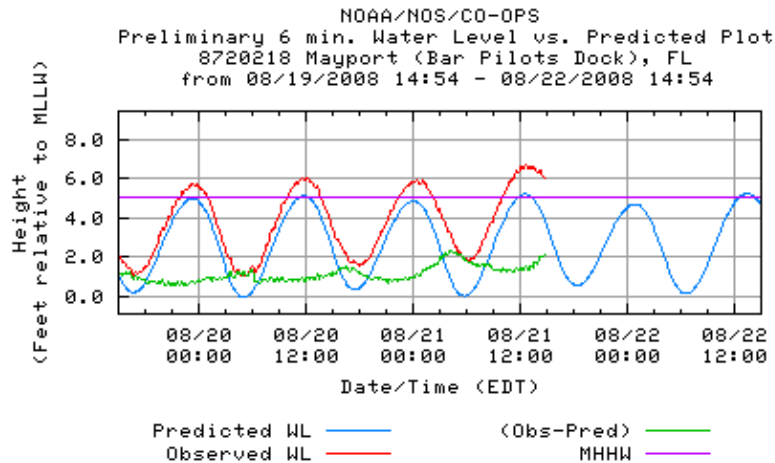
STORM SURGE FLOODING OF 1 TO 3 FEET ABOVE NORMAL TIDES IS POSSIBLE ALONG THE EAST COAST OF FLORIDA AND GEORGIA TO THE NORTH OF THE CENTER OF FAY.

FORECASTER AVILA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Mayport \(Bar Pilots Dock\) - Water Level](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Air/Water Temp](#), [Fernandina Beach - Barometric](#), [St.Simons Island - Water Level](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Air/Water Temp](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Fort Myers - Water Level](#),

Mayport (Bar Pilots Dock), FL - Station Map [Return to List](#)

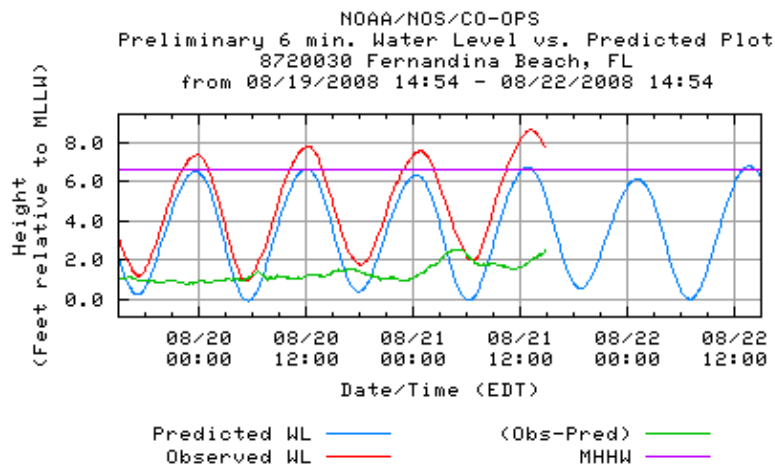


Last Observed Sample: 08/21/2008 14:36 (EDT)

Relative to **MLLW**: **Observed: 6.01 ft. Predicted: 3.92 ft. Residual: 2.09 ft.**

Historical Maximum Water Level: 09/17/2001, 2.15 ft. above **MHHW**

Fernandina Beach, FL - Station Map [Return to List](#)

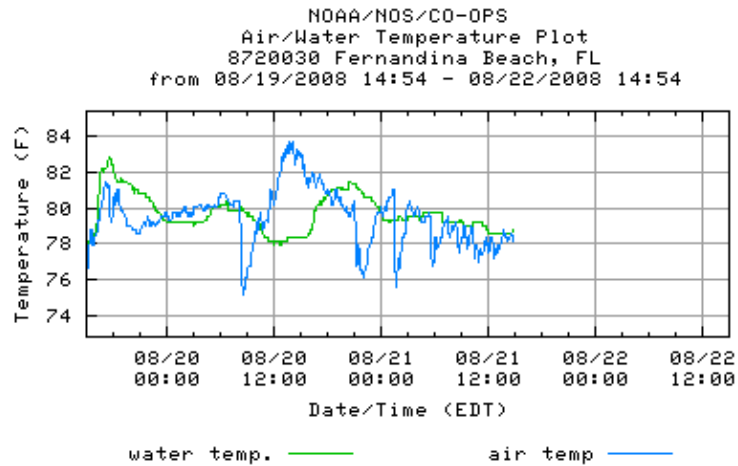


Last Observed Sample: 08/21/2008 14:42 (EDT)

Relative to **MLLW**: **Observed: 7.74 ft. Predicted: 5.28 ft. Residual: 2.46 ft.**

Historical Maximum Water Level: 10/02/1898, 6.94 ft. above **MHHW**

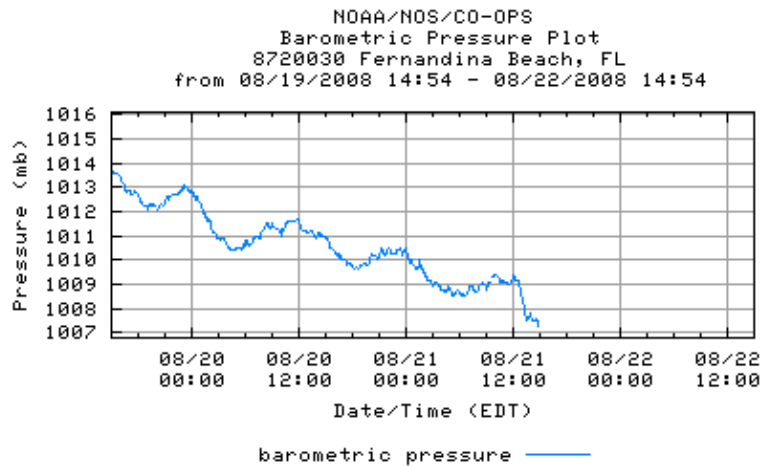
Fernandina Beach, FL - Station Map [Return to List](#)



Last Observed Sample: 08/21/2008 14:42 (EDT)

Water Temperature: 78.8° F Air Temperature: 78.1° F

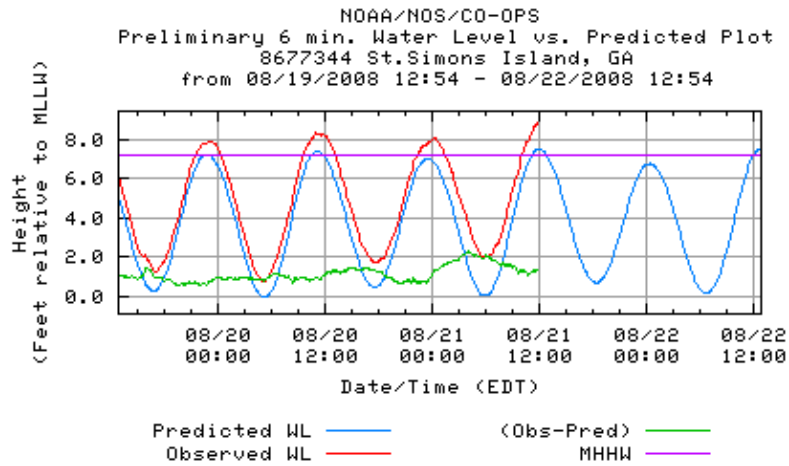
Fernandina Beach, FL - Station Map [Return to List](#)



Last Observed Sample: 08/21/2008 14:42 (EDT)

Barometric Pressure: 1007.3 mb

St.Simons Island, GA - Station Map [Return to List](#)

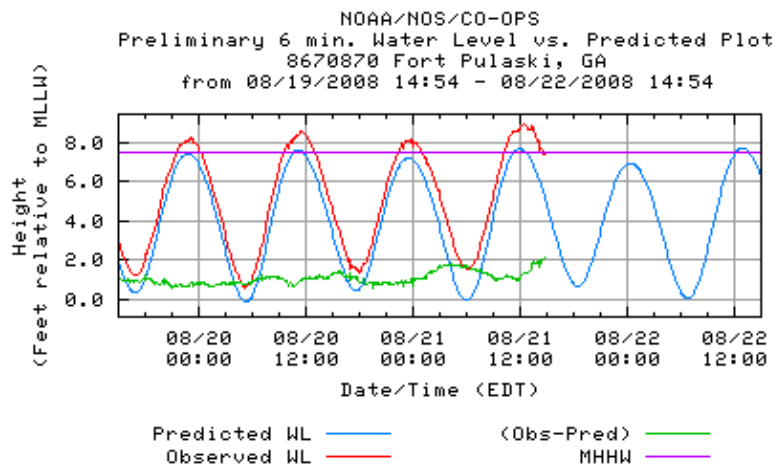


Last Observed Sample: 08/21/2008 11:54 (EDT)

Relative to **MLLW**: **Observed: 8.84 ft. Predicted: 7.47 ft. Residual: 1.37 ft.**

Historical Maximum Water Level: 07/22/2001, 2.41 ft. above **MHHW**

Fort Pulaski, GA - Station Map [Return to List](#)

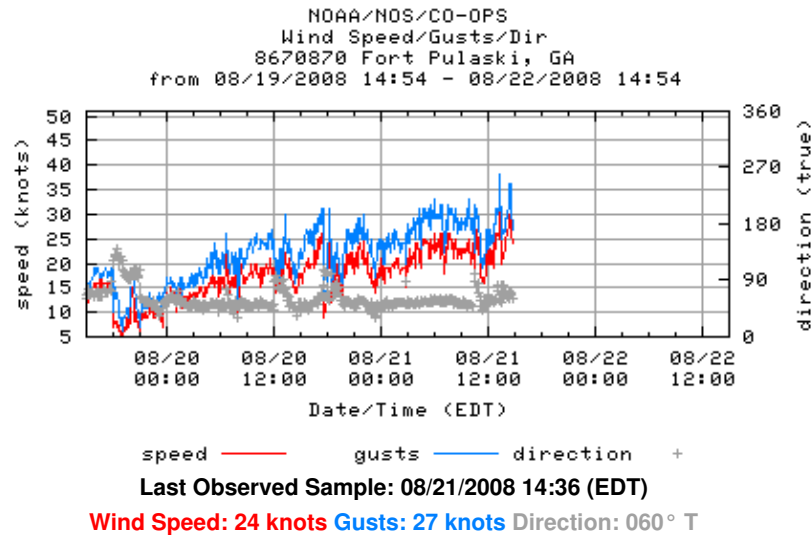


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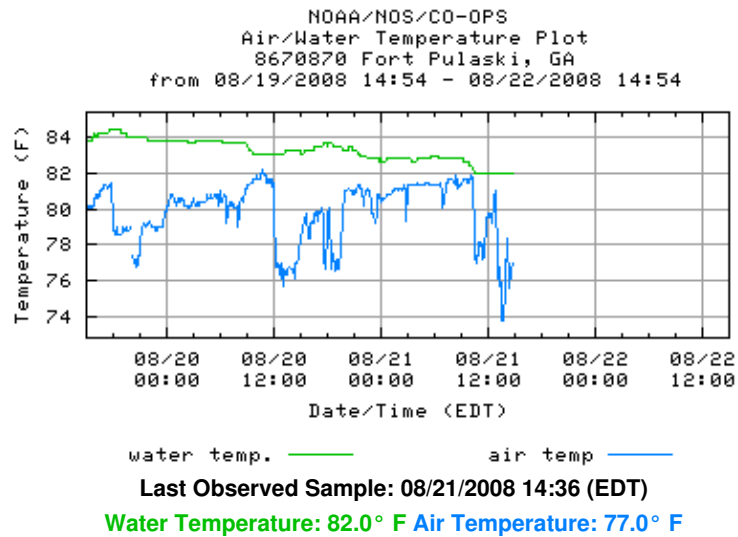
Relative to **MLLW**: **Observed: 7.36 ft. Predicted: 5.24 ft. Residual: 2.12 ft.**

Historical Maximum Water Level: 10/15/1947, 3.4 ft. above **MHHW**

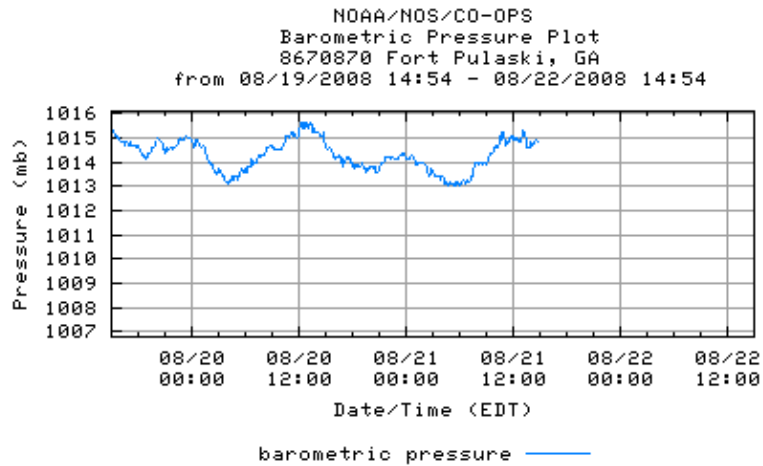
Fort Pulaski, GA - Station Map [Return to List](#)



Fort Pulaski, GA - Station Map [Return to List](#)



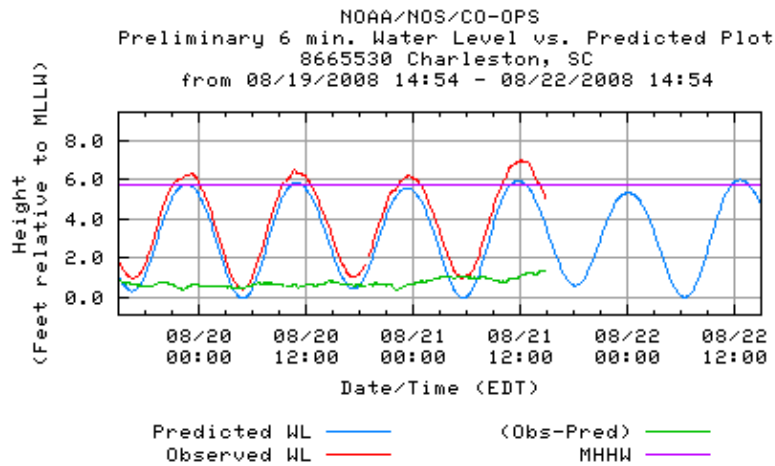
Fort Pulaski, GA - Station Map [Return to List](#)



Last Observed Sample: 08/21/2008 14:36 (EDT)

Barometric Pressure: 1014.8 mb

Charleston, SC - Station Map [Return to List](#)

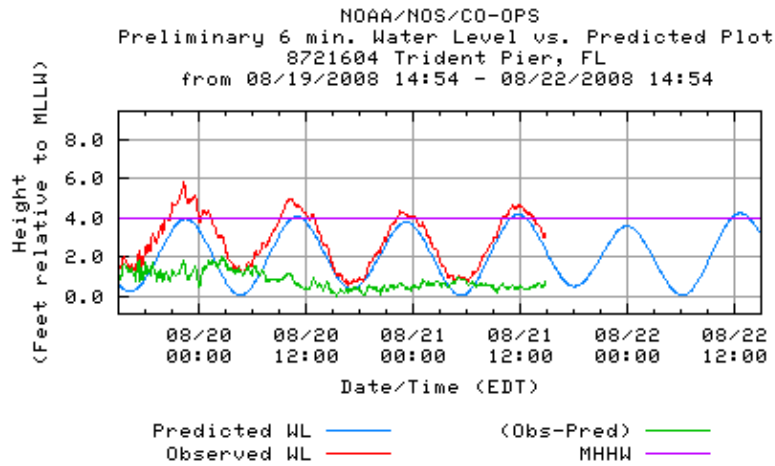


Last Observed Sample: 08/21/2008 14:42 (EDT)

Relative to **MLLW**: **Observed: 5.05 ft.** **Predicted: 3.69 ft.** **Residual: 1.36 ft.**

Historical Maximum Water Level: 09/21/1989, 6.76 ft. above **MHHW**

Trident Pier, FL - Station Map [Return to List](#)

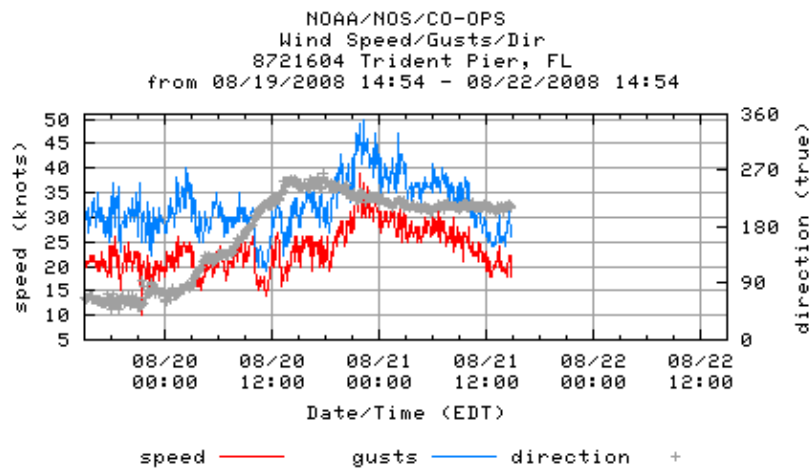


Last Observed Sample: 08/21/2008 14:42 (EDT)

Relative to **MLLW**: **Observed: 3.14 ft. Predicted: 2.40 ft. Residual: 0.74 ft.**

Historical Maximum Water Level: 09/16/2001, 2.28 ft. above **MHHW**

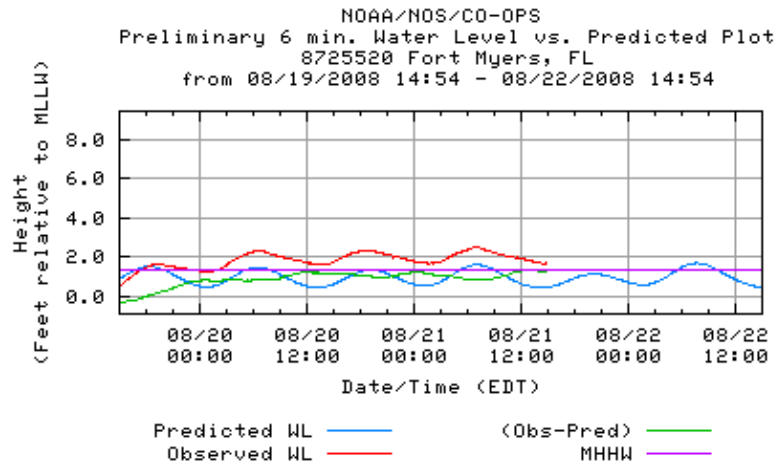
Trident Pier, FL - Station Map [Return to List](#)



Last Observed Sample: 08/21/2008 14:42 (EDT)

Wind Speed: 18 knots Gusts: 26 knots Direction: 209° T

Fort Myers, FL - Station Map [Return to List](#)



Last Observed Sample: 08/21/2008 14:42 (EDT)

Relative to **MLLW**: **Observed: 1.67 ft.** **Predicted: 0.43 ft.** **Residual: 1.24 ft.**

Historical Maximum Water Level: 11/23/1988, 3.41 ft. above MHHW

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce